

AD-A192 004

SECRETARIAT: ADVISORY GROUP ON ELECTRON DEVICES(U)
PALISADES INST FOR RESEARCH SERVICES INC NEW YORK
FEB 88 PIR5-FR-88-0051 N00014-88-C-0051

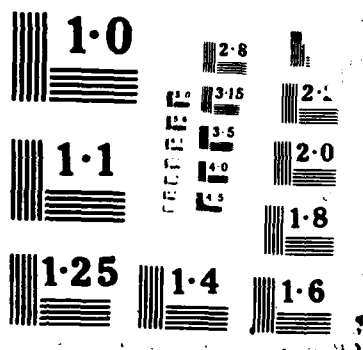
1/1

UNCLASSIFIED

F/G 9/1

NL





AD-A192 004

DTIC FILE COPY

(4)

PIRS-FR-88-0051

FINAL REPORT

Contract N00014-88-C-0051

Covering the period 1 October 1987
through 31 December 1987

DTIC
SELECTED
FEB 29 1988
S E D

SECRETARIAT
ADVISORY GROUP ON ELECTRON DEVICES
February 1988

138

ADA192004

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified		1b. RESTRICTIVE MARKINGS None	
2a. SECURITY CLASSIFICATION AUTHORITY		3. DISTRIBUTION/AVAILABILITY OF REPORT Unlimited	
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE			
4. PERFORMING ORGANIZATION REPORT NUMBER(S) PIRS-FR-88-0051		5. MONITORING ORGANIZATION REPORT NUMBER(S)	
6a. NAME OF PERFORMING ORGANIZATION Palisades Institute for Research Services, Inc.	6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION See block 8a	
6c. ADDRESS (City, State and ZIP Code) 201 Varick Street New York, NY 10014		7b. ADDRESS (City, State and ZIP Code) See block 8b	
8a. NAME OF FUNDING/SPONSORING ORGANIZATION Office of Naval Research	8b. OFFICE SYMBOL (If applicable) Code 224	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER N00014-88-C-0051	
8c. ADDRESS (City, State and ZIP Code) 800 North Quincy St. Arlington, VA 22217-5000		10. SOURCE OF FUNDING NOS.	
		PROGRAM ELEMENT NO.	PROJECT NO.
11. TITLE (Include Security Classification) Secretariat: Advisory Group on Electron Devices (U)			
12. PERSONAL AUTHOR(S) -----			
13a. TYPE OF REPORT Final	13b. TIME COVERED FROM 1 Oct 87 to 31 Dec 87	14. DATE OF REPORT (Yr., Mo., Day) February 1988	15. PAGE COUNT 7
16. SUPPLEMENTARY NOTATION			
17. COSATI CODES		18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) Advisory Group on Electron Devices (AGED) Electron Devices	
FIELD	GROUP SUB. GR.		
19. ABSTRACT (Continue on reverse if necessary and identify by block number) <p>This three-month effort consisted in providing Secretariat services to the DoD Advisory Group on Electron Devices (AGED) for OUSDA. The function of AGED is to provide technical advice to assist DoD and the military departments in planning and directing adequate and economical electron device research and development programs.</p> <p>During the contract period, the contractor provided support for eight AGED meetings, three Special Technology Area Reviews, and six technology briefings. Meeting support included: developing agendas; providing meeting sites and security; and reporting and disseminating meeting results. During this period the contractor also maintained a comprehensive database of information on current and planned government-sponsored electron device R&D programs. This effort was a follow-on to contract N00039-84-C-0213.</p>			
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS <input type="checkbox"/>		21. ABSTRACT SECURITY CLASSIFICATION Unclassified	
22a. NAME OF RESPONSIBLE INDIVIDUAL Leonard H. Klein		22b. TELEPHONE NUMBER (Include Area Code) (212) 620-3377	22c. OFFICE SYMBOL

FINAL REPORT

ON

CONTRACT NO. N00014-88-C-0051

Covering the Period 1 October 1987 through 31 December 1987

SECRETARIAT

ADVISORY GROUP ON ELECTRON DEVICES

February 1988

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	



FOREWORD

This is the Annual Report (Final) on Contract No. N00014-88-C-0051, and it covers the period 1 October 1987 through 31 December 1987. Palisades Institute for Research Services, Inc. has carried out all the functions required of it in the formal agreement, as well as special tasks as assigned by the Office of the Director, Computer and Electronics Technology, OUSDA, from time to time.

Internal work on advanced information retrieval and dissemination techniques continued during the period for purposes of enhancing these services to the Advisory Group on Electron Devices, its Working Groups, government agencies, government contractors, and other groups under various agreements, some of which were international in scope.

The documentary output from these various efforts (excluding wholly internal working documents) are listed in the appended "Production Report No. 1" which has been prepared for contractual purposes.

Additional tasks involving the organization of Special Technology Area Reviews were successfully accomplished.

GENERAL REPORT

1. Regular Advisory Group and Working Group Meetings

During the contract period, the Secretariat provided all the logistical support, including security, for a total of eight meetings:

October	6-7	Palisades Institute, VA
	14-15	Lawrence Livermore National Lab, CA
	21	Palisades Institute, VA
	23	Palisades Institute, VA
December	1	Palisades Institute, VA
	2-3	Palisades Institute, VA
	10	Palisades Institute, VA
	15-16	Research Triangle Institute, NC

2. Special Technology Area Reviews

During the contract period, three Special Technology Area Reviews (STARs) were held. These reviews represent an intensive examination of a particular technology thrust which merits such scrutiny due to technology breakthroughs or other considerations. Both industrial and military experts were invited and asked to provide presentations on the critical areas being considered. An invitation to the entire membership of the Advisory Group on Electron Devices is issued, but restrictions may be imposed based on space limitations at the meeting locations.

(a) Lithography

This review was held on 23 October 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Mr. Jack S. Kilby, Chairman of the Advisory Group, served as the chairman for this event.

(b) Draft RFP for an IRFPA Producibility Initiative

This review was held on 3 December 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Dr. James Hall, Chairman of Working Group C (Electro-Optics), served as the chairman for this event.

(c) Refractory Semiconductors

This review was held on 15 December 1987 at Research Triangle Institute, Research Triangle Park, NC. Dr. John T. Mendel, Consultant Member of the Advisory Group, served as the chairman for this event.

3. Briefings

In addition to the STAR presentations, there were smaller-scale briefings held for the purpose of providing information on important technology aspects to the Department of Defense and OUSDA.

(a) GaAs Processor Technology

This briefing was provided by Dr. Miller of NASA-Goddard on 6 October 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Working Group B (Microelectronics) was in attendance.

(b) Free Electron Laser and Solid-State Laser Program

This was a general briefing on 14 October 1987 at Lawrence Livermore National Laboratory, Livermore, CA. Working Group C was in attendance.

(c) HBT Technology

This briefing was provided by Mr. Yoder of ONR on 21 October 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Working Group A was in attendance.

(d) Qualification Procedures for VHSIC/VLSI

This briefing was provided by Dr. Messenger of AFRODC on 1 December 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Working Group B was in attendance.

(e) IR Search and Track Program

This briefing was provided by Dr. Scribner of NRL on 2 December 1987 at Palisades Institute for Research Services, Inc., Arlington, VA. Working Group C was in attendance.

(f) Power Source Initiative

This briefing was provided by Mr. Butler of BETEC, Inc (Consultant Member of AGED) on 16 Dec 1987 at Research Triangle Institute, Research Triangle Park, NC. AGED was in attendance.

4. Technical Information Activities

The Secretariat is a clearing house for all information in its field of interest, dissemination of which is limited only by security and need-to-know requirements as they appear. Numerous requests for information are processed annually on the basis of inquiries addressed to any member of the professional staff. These are from many sources and arrive by every means of communication. Responses are not included in Appendix I, "Production Report No. 1", since they are usually unique and/or single items of reports, references or similar material.

APPENDIX

"PRODUCTION REPORT No. 1"

PRODUCTION REPORT NO. 1

1 October 1987 through 31 December 1987

1. ADVISORY GROUP

A. Agendas

GED 2/87-6	140	mailed/distributed on	10/02/87	32	masters
GED 2/87-7	116	" " "	11/20/87	49	"
GED 2/87-7.1	125	" " "	12/07/87	37	"

B. Minutes

GED 3/87-5	143	" " "	11/15/87	13	"
------------	-----	-------	----------	----	---

2. WORKING GROUPS

A. Agendas

GED-A 2/87-6	147	" " "	10/02/87	13	"
GED-B 2/87-5	151	" " "	11/13/87	23	"
GED-C 2/87-4	174	" " "	11/19/87	87	"
GED-A 2/87-7	150	" " "	11/23/87	21	"

B. Minutes

GED-3 3/87-4	145	" " "	10/22/87	33	"
GED-C 3/87-3	150	" " "	11/13/87	125	"
GED-A 3/87-6	152	" " "	11/18/87	251	"
GED-3 3/87-5	128	" " "	12/16/87	39	"
GED-C 3/87-4	168	" " "	12/23/87	86	"
GED-A 3/87-7	148	" " "	12/29/87	29	"

3. BULLETIN

No. 87-38	113	" " "	10/05/87	3	"
No. 87-39	125	" " "	10/16/87	6	"
No. 87-39A	125	" " "	10/16/87	2	"
No. 87-40	125	" " "	10/16/87	2	"
No. 87-41/42	130	" " "	10/28/87	3	"
No. 87-43	125	" " "	11/09/87	3	"
No. 87-44/45	125	" " "	11/10/87	4	"
No. 87-46	130	" " "	11/17/87	3	"
No. 87-47	130	" " "	11/30/87	3	"
No. 87-48	130	" " "	11/30/87	3	"
No. 87-49/50	125	" " "	12/11/87	4	"
No. 87-49/50A	125	" " "	12/11/87	2	"
No. 87-51	125	" " "	12/29/87	4	"

4. GOVERNMENT SPONSORED PROJECT LIST

GED-A 230/87-4	90	"	"	"	10/08/87	49	"
GED-C 230/87-4	87	"	"	"	10/08/87	33	"
GED-B 230/87-4	85	"	"	"	10/13/87	33	"

5. ANNUAL REPORT

GED-B 107/26	90	"	"	"	11/23/87	23	"
--------------	----	---	---	---	----------	----	---

0011P

DISTRIBUTION LIST

	<u>No. of Copies</u>
Office of Naval Research Attn: James A. Cauffman Code 224 800 North Quincy Street Arlington, VA 22217-5000	1
Director Naval Research Laboratory Attn: Code 2627 4555 Overlook Ave., SW Washington, DC 20375	1
Mr. John McMannis DCASR-NY DCRN-GNCB-5 201 Varick St. New York, NY 10014	1
Mr. Harry Summer Palisades Institute for Research Services, Inc. 2011 Crystal Drive One Crystal Park, Suite 307 Arlington, VA 22202	1
Defense Technical Information Center Building 5 Cameron Station Alexandria, VA 22314	12

END

DATE

FILMED

5-8.8

DTIC